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| Greenwich | | | Greenwich | | |
|-----------|--|----------|-----------|--|---------|
| Noon. | $\alpha_\odot - \alpha_c$ | P_r | Noon. | $\alpha_\odot - \alpha_c$ | P_r |
| 1910 | | | | | |
| May 11 | + 2 ^h 40 ^m 10 ^s | 255° 27' | May 21 | — 2 ^h 20 ^m 33 ^s | 99° 51' |
| 12 | 2 35 12 | 255 41 | 22 | 3 9 43 | 103 37 |
| 13 | 2 27 27 | 256 23 | 23 | 3 47 26 | 106 15 |
| 14 | 2 15 48 | 256 41 | 24 | 4 16 57 | 107 59 |
| 15 | 2 0 44 | 257 40 | 25 | 4 34 42 | 109 7 |
| 16 | 1 39 36 | 259 9 | 26 | 4 49 25 | 109 53 |
| 17 | 1 10 22 | 261 23 | 27 | 4 59 38 | 110 26 |
| 18 | + 0 30 5 | 264 19 | 28 | 5 7 3 | 110 36 |
| 19 | — 0 21 49 | 90 3 | 29 | 5 12 11 | 111 13 |
| 20 | 1 18 2 | 95 29 | 30 | — 5 15 42 | 111 29 |

The above calculations are based on an ephemeris for Halley's Comet by Dr. SMART, which was published in *The Observatory*, November, 1909. It was assumed that the time of perihelion passage was 1910 April, 19.65.

MOUNT HAMILTON, CAL.

CHAS. P. OLIVIER.

NOTE ON THE RADIAL VELOCITY OF *POLARIS*.

The radial velocity of the binary system of the triple system of *Polaris* decreased slowly from — 11.2^{km} per second at 1899.8 to about — 17.3 at 1908.7. The velocity observed with the Mills spectrograph at 1909.9 was approximately — 15.3. The minimum has, therefore, been passed, and the radial velocity of the center of mass of the binary system appears to be increasing rapidly. Radial velocity observations of the bright component of the *Polaris* system, made within the next few months, promise to have unusual weight in the determination of the period of the third member of the system around the center of mass of itself and the binary system.

W. W. CAMPBELL.

December 31, 1909.

NOTE CONCERNING THE RADIAL VELOCITY OF *PROCYON*.

We have radial velocities of *Procyon*, as determined with the Mills spectrograph, extending over thirteen years. This is one-third the revolution period deduced by Dr. AUWERS. As the observed radial velocities do not appear to have varied appreciably in a manner to accord with a period of forty